WHAT IS CLAIMED IS:

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1. A process for producing a halogenated aromatic amine compound, comprising allowing an aromatic amine compound represented by the following Formula (1):

$$H_2N-Ar^1 \tag{1}$$

wherein Ar¹ represents a substituted or unsubstituted monovalent aromatic hydrocarbon ring group or a substituted or unsubstituted monovalent aromatic

10 heterocyclic ring group;

to react with a dihalogenated aromatic compound represented by the following Formula (2):

$$Y^1 - Ar^2 - Y^2 \tag{2}$$

wherein Ar² represents a substituted or unsubstituted

divalent aromatic hydrocarbon ring group or a

substituted or unsubstituted divalent aromatic

heterocyclic ring group, and Y¹ and Y² each

independently represent an iodine atom, a bromine atom

or a chlorine atom;

in the presence of a metallic catalyst and a basic compound in a non-reactive solvent to obtain a halogenated aromatic amine compound represented by the following Formula (3):

$$Ar^1$$

 $Y^1 - Ar^2 - N - H$ (3)

25 wherein Ar^1 , Ar^2 and Y^1 are as defined above; the metallic catalyst being a catalyst having a phosphorus-containing ligand having at least one cyclic hydrocarbon group.

2. The process for producing a halogenated
5 aromatic amine compound according to claim 1, wherein said aromatic amine compound represented by Formula
(1) is an aromatic amine compound represented by the following Formula (4):

$$R_1$$
 R_2
 R_3
 R_4
 R_4
 R_4

wherein R₁ to R₅ each independently represent a hydrogen atom, a substituted or unsubstituted alkyl group having any of 1 to 8 carbon atoms, a substituted or unsubstituted alkoxyl group having any of 1 to 8 carbon atoms, a substituted or unsubstituted aryl group, a substituted or unsubstituted aryl ether group, a fluorine atom, an alkyl fluoride group having any of 1 to 8 carbon atoms, a substituted or unsubstituted aryl thioether group, a substituted or unsubstituted aryl thioether group, a substituted or unsubstituted pyridyl group, or a group represented by the following

20 Formula (5):

$$--$$
N R_6 (5)

wherein R_6 and R_7 each independently represent a

substituted or unsubstituted alkyl group or a substituted or unsubstituted aryl group.

3. The process for producing a halogenated
5 aromatic amine compound according to claim 1, wherein said dihalogenated aromatic compound represented by Formula (2) is a dihalogenated aromatic compound represented by the following Formula (6):

$$R_{11}$$
 R_{15} R_{16} R_{12} Y^2 (6) R_{13} R_{17} R_{18} R_{14}

- wherein R₁₁ to R₁₈ each independently represent a hydrogen atom, a substituted or unsubstituted alkyl group having any of 1 to 8 carbon atoms, a substituted or unsubstituted alkoxyl group having any of 1 to 8 carbon atoms, a substituted or unsubstituted aryl group, a substituted or unsubstituted aryl ether group, an alkyl fluoride group having any of 1 to 8 carbon atoms, a substituted or unsubstituted aryl thioether group or a substituted or unsubstituted aryl thioether group or a substituted or unsubstituted pyridyl group; R₁₅ and R₁₆, and R₁₇ and R₁₈, may respectively
- independently combine through a carbon atom, a substituted or unsubstituted alkylene group, a substituted or unsubstituted alkylidene group, an oxygen atom, a nitrogen atom or a sulfur atom to form a condensed polycyclic structure or a heterocyclic

structure; and Y^1 and Y^2 each independently represent an iodine atom, a bromine atom or a chlorine atom.

4. The process for producing a halogenated

5 aromatic amine compound according to claim 1, wherein said metallic catalyst is either of a palladium complex and a nickel complex which have at least one cyclic hydrocarbon group on a substituent on the phosphorus.

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- 5. The process for producing a halogenated aromatic amine compound according to claim 1, wherein said cyclic hydrocarbon group is a substituted or unsubstituted phenyl group, a substituted or unsubstituted biphenyl group, a substituted or unsubstituted naphthyl group or a substituted or unsubstituted cyclopentadienyl group.
- 6. The process for producing a halogenated
 aromatic amine compound according to claim 1, wherein said metallic catalyst is a complex produced from a palladium complex or a nickel complex and a phosphorus-containing ligand having at least one cyclic hydrocarbon group, inside the reaction system during said reaction.
 - 7. The process for producing a halogenated

aromatic amine compound according to claim 6, wherein said palladium complex or nickel complex is selected from the group consisting of Pd(OAc)₂, Pd(Aca)₂, (CH₃CN)₂Pd(NO₂)Cl, (C₁₀H₈N₂)₂PdCl₂, Pd₂(dba)₃, PdCl₂, Ni(OAc)₂, Ni(Aca)₂, (CH₃CN)₂Ni(NO₂)Cl, (C₁₀H₈N₂)₂NiCl₂, Ni₂(dba)₃ and NiCl₂.

- 8. The process for producing a halogenated aromatic amine compound according to claim 1, wherein said basic compound is selected from the group consisting of an alkali metal alkoxide, an alkaline earth metal alkoxide, potassium carbonate and potassium tertiary phosphate.
- 9. The process for producing a halogenated aromatic amine compound according to claim 1, wherein said Y^1 and Y^2 in Formulas (2) and (3) are each a bromine atom.
- 10. The process for producing a halogenated aromatic amine compound according to claim 1, wherein the reaction is carrie out at a temperature of from 50° C to 150° C.